

Title (en)
Method of channel estimation and corresponding receiver

Title (de)
Verfahren zur Kanalschätzung und entsprechender Empfänger

Title (fr)
Procédé d'estimation de canal et récepteur correspondant

Publication
EP 0802656 B1 20071226 (FR)

Application
EP 97460015 A 19970417

Priority
FR 9605200 A 19960419

Abstract (en)
[origin: EP0802656A2] The signal is organised into trains of successive data, each containing at least two distinct reference blocks distributed among the useful symbols. Explicit fixed reference symbols are known to and/or identifiable by the receiver. Implicit reference symbols, inserted at predetermined places, are defined by links generated among the useful symbols by a predetermined code. Coarse and fine synchronisations (411,412) are followed by estimations of the discrete channel (421) and useful symbols (431), to which uniform conditional probabilities with maximum entropy are attributed. The channel estimate is revised (422) and the symbols are re-estimated (432) for recycling (44).

IPC 8 full level
H04L 25/02 (2006.01); **H04L 1/08** (2006.01)

CPC (source: EP US)
H04L 1/08 (2013.01 - EP US); **H04L 25/0226** (2013.01 - EP US); **H04L 25/0236** (2013.01 - EP US)

Cited by
FR2777408A1; FR2859337A1; EP0978969A3; GB2360425A; FR2859338A1; FR2861927A1; GB2363553A; GB2363553B; FR2861928A1; FR2825551A1; FR2794589A1; US6990092B1; EP0984562A3; US6912259B1; US6477210B2; US7242721B2; US6320919B1; WO2005025162A1; WO0158105A1; WO0033527A1; WO0076160A1; WO0033526A1; WO0036760A1; WO2005025161A1; WO02098095A1; WO2005043801A3; WO0113595A1; WO0014896A1; WO9953645A1

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EP 0802656 A2 19971022; EP 0802656 A3 19980114; EP 0802656 B1 20071226; CN 1173088 A 19980211; DE 69738414 D1 20080207; FR 2747870 A1 19971024; FR 2747870 B1 19981106; US 6263029 B1 20010717

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